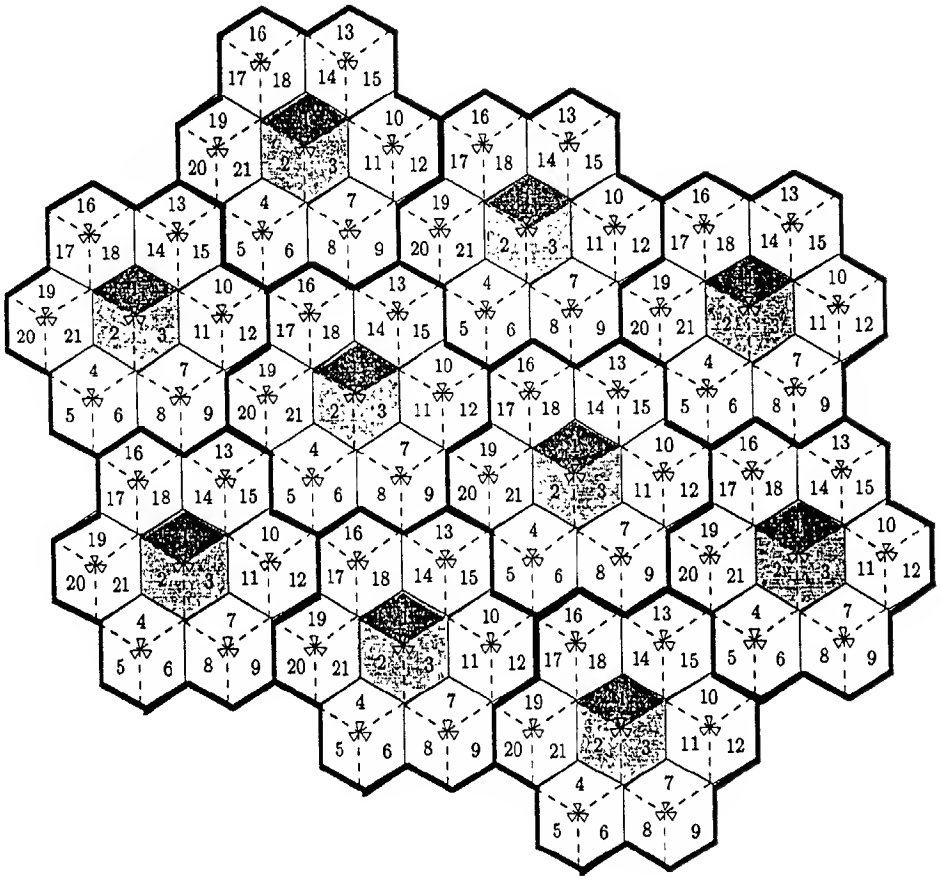

FIG. 1

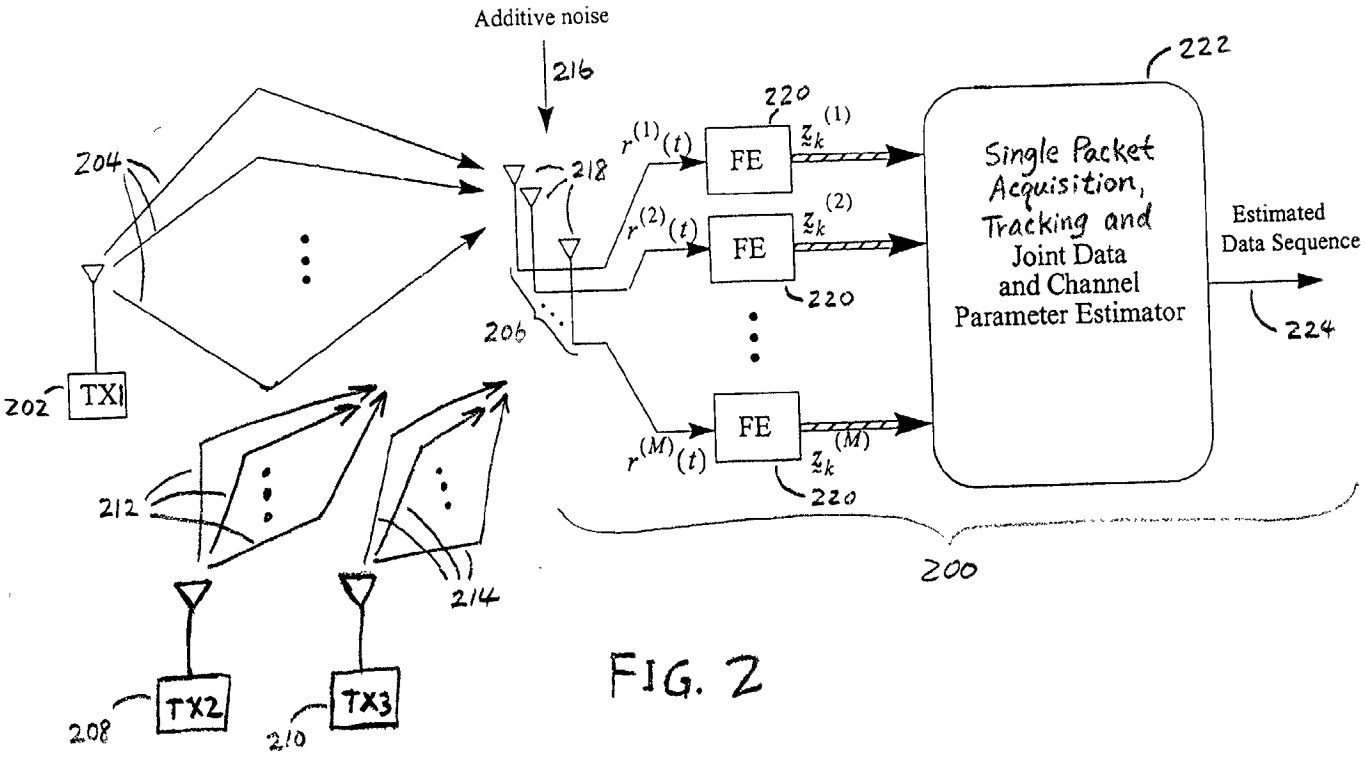
Additive noise
216
222
220
204
218
$r^{(1)}(t)$
FE
$z_k^{(1)}$
Single Packet Acquisition, Tracking and Joint Data and Channel Parameter Estimator
Estimated Data Sequence
$r^{(2)}(t)$
FE
$z_k^{(2)}$
220
224
206
202
TX1
$r^{(M)}(t)$
FE
$z_k^{(M)}$
220
212
214
200
208
TX2
210
TX3

FIG. 2

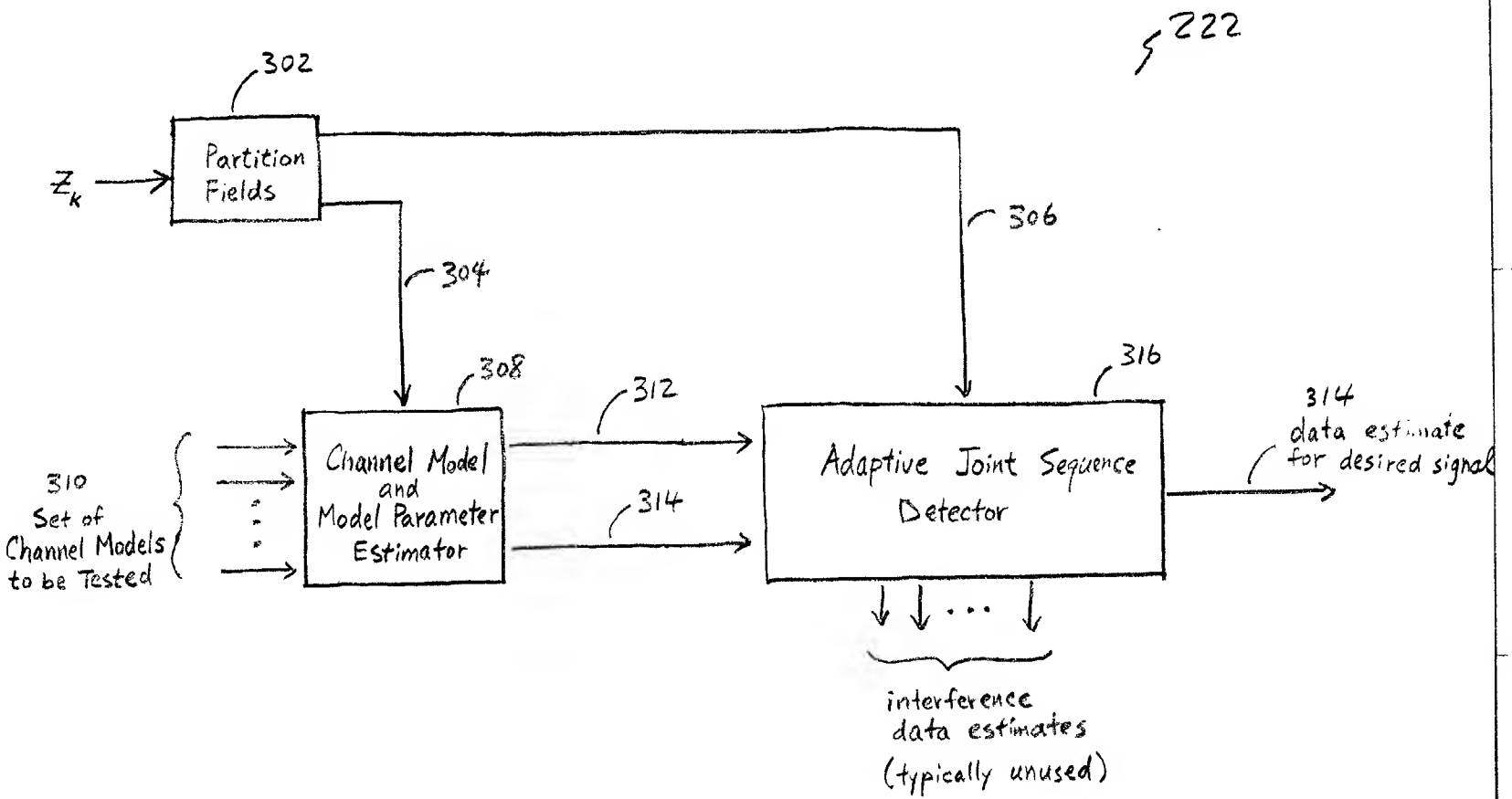

FIG. 3

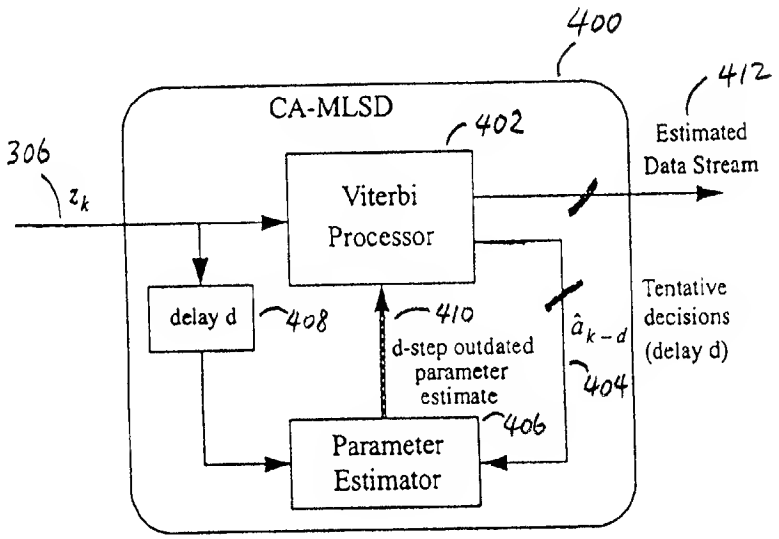

FIG. 4A

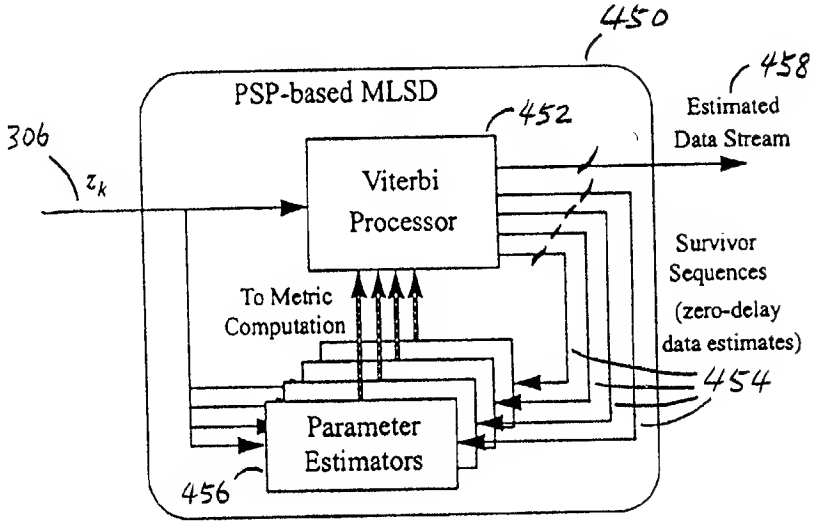

FIG. 4B

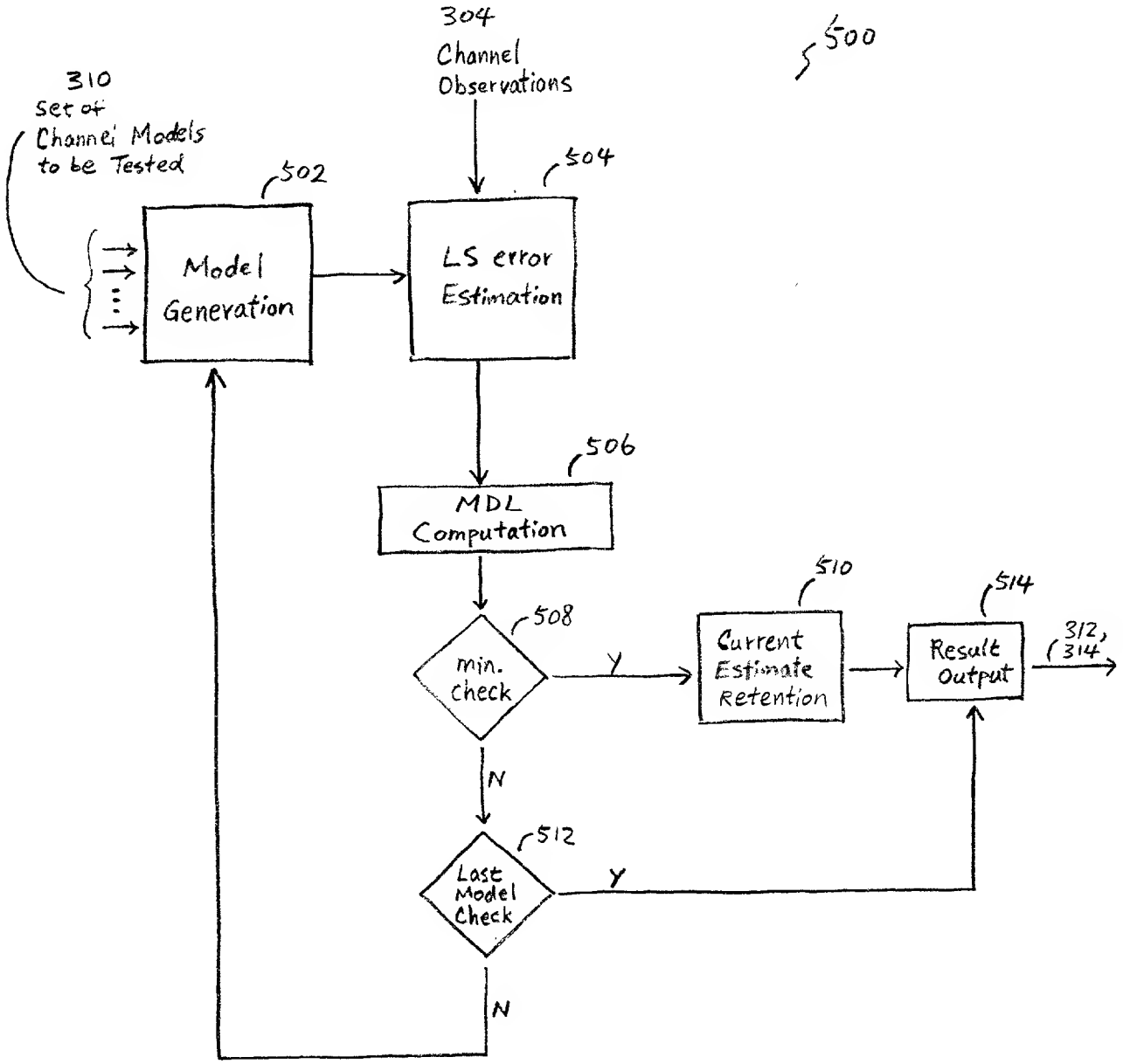
304
Channel Observations
500
310
Set of Channel Models to be Tested
502
504
Model Generation
LS error Estimation
506
MDL Computation
508
min. check
Y
510
Current Estimate Retention
514
Result Output
312, 314
N
512
Last Model Check
Y
N

FIG. 5